



OUTSIDE ELEVATION OF PARAPET AT WINGWALL

SHOWING (2) - CONDUIT SYSTEM

NOTES

BID ITEMS SHALL BE:
 "JUNCTION BOXES 18X12X6-INCH", EACH.
 "JUNCTION BOXES 18X6X6-INCH", EACH.
 "CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH"
 "CONDUIT RIGID METALLIC 2-INCH".
 "ANCHOR ASSEMBLIES LIGHT POLES"

EXPANSION FITTINGS, ANGLES AND ADAPTER FITTINGS TO BE INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH".

WHEN CONNECTING NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS U.L. LISTED FOR ELECTRICAL USE SHALL BE USED.

APPROVED MANUFACTURERS - JUNCTION BOXES:
SEE APPROVED MATERIAL LIST.

APPROVED MANUFACTURER OR EQUIVALENT - EXPANSION FITTING (SPECIFY SIZE ON PLANS):
 0-Z/GEDNEY TYPE AX-200 AND BONDING JUMPER (4" TOTAL CONDUIT MOVEMENT).
 0-Z/GEDNEY TYPE AX-8-200 AND BONDING JUMPER (8" TOTAL CONDUIT MOVEMENT).
 0-Z/GEDNEY TYPE EX-200 WITH PBS-200-12S AND BONDING JUMPER (10" TOTAL CONDUIT MOVEMENT).

THIS STANDARD ACCOMMODATES A MAXIMUM 15" ϕ BOLT HOLE CIRCLE AND A MAXIMUM 15" X 15" SQUARE ANCHOR PLATE WITH (4) - 1" ϕ ANCHOR BOLTS. THIS STANDARD IS BASED ON A 8" MIN. DECK THICKNESS AND A MAXIMUM OVERHANG OF 3'-7" FROM ϕ GIRDER TO EDGE OF DECK.

JUNCTION BOX REQUIREMENTS

- PLACE A 18" X 12" X 6" JUNCTION BOX AT EACH LIGHT STANDARD (CENTERED ON LIGHT C).
- USE A JUNCTION BOX TO KEEP A CONTINUOUS RUN OF CONDUIT (PULL LENGTH) TO A MAXIMUM OF 190 FT. CONTACT THE BUREAU OF HIGHWAY OPERATIONS, ELECTRICAL SECTION WHEN PULL LENGTH IS > 190' BUT < 200'.

CONDUIT REQUIREMENTS

- USE (1) - 2"Φ CONDUIT TO PROVIDE ELECTRICAL SERVICE TO LIGHTS MOUNTED ON TOP OF THE PARAPET.
- USE (2) - 2"Φ CONDUITS IF AN ADDITIONAL ELECTRICAL SERVICE IS REQUIRED.
- USE A 18" X 6" X 6" JUNCTION BOX WHEN (1) - 2"Φ CONDUIT IS PRESENT.
- USE A 18" X 12" X 6" JUNCTION BOX WHEN (2) - 2"Φ CONDUITS ARE PRESENT.

**** EXPANSION FITTING REQUIREMENTS**

- EXPANSION FITTING REQUIREMENTS**
- USE AN APPROVED EXPANSION FITTING AT EACH SEMIEXPANSION OR EXPANSION JOINT.
 - RUN CONDUIT STRAIGHT THROUGH (WITHOUT A FITTING) AT EACH FIXED JOINT.

BILL OF BARS

BAR MARK	COAT	NO. REO'D.	LENGTH		BENT	LOCATION
			LF	HF		
S504	X				X	DECK TRANSV. @ LIGHT STD.
S505	X		6-0	7-8	X	PARAPET VERT. @ LIGHT STD.
S506	X		7-0	7-0	X	PARAPET VERT. @ LIGHT STD.
S607	X		10-0	10-0	X	PARAPET HORIZ. @ LIGHT STD.
S508	X					DECK TRANSV. @ LIGHT STD.
S509	X		3-2	4-0	X	PARAPET VERT. @ LIGHT STD.
S510	X		3-5	3-5	X	PARAPET VERT. @ LIGHT STD.

LIGHT STD., JUNCTION BOX, &
EXP. FITTING FOR "LF"/"HF" PARA.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DEVELOPMENT SECTION

APPROVED:

DATE:	2-05
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